

at a time with the aid of the method, and that the method comprises steps, in which

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- a control function is formed at least partly on the basis of a quantity which at least partly represents the fast fading experienced by at least one bearer, and
  - the control function is calculated in order to determine new output power values of said more than one bearer.
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12. (Amended) A method according to claim 19 characterised in that it further comprises a step, in which at least one element value is set to zero, when the value of said element is below a certain predetermined limit.

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16. (Amended) An element of a mobile system, characterised in that it comprises

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- means to generate a quantity which at least partly depends on the fast fading experienced by at least one bearer,
  - means to determine the output power values for more than one bearer at least partly on the basis of said quantity, and
  - means to control the output power of at least one bearer on the basis of said output power values.
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Please add the following claims:

45 19. A power control method in a mobile system based at least partly on a spread spectrum technique and having at least one mobile station and at least one base station, wherein the transmit power of more than one bearer is determined at a time with the aid of the method, and wherein the method comprises steps, in which a control function is formed at least partly on the basis of a quantity which at least partly represents the fast fading experienced by at least one bearer,

the control function is calculated in order to determine new output power values of said more than one bearer,

an interference effect matrix is generated, which represents the mutual interferences of different bearers, and

the generated interference effect matrix is inverted in order to form the new power levels.

20. A power control method in a mobile system based at least partly on a spread spectrum technique and having at least one mobile station and at least one base station, wherein the transmit power of more than one bearer is determined at a time with the aid of the method, and wherein the method comprises steps, in which a control function is formed at least partly on the basis of a quantity which at least partly represents the fast fading experienced by at least one bearer, and

the control function is calculated in order to determine new output power values of said more than one bearer,